

IN THE CLAIMS

*Please amend claims as follows:*

1. (Currently amended) A method, comprising:

establishing a local connection in a terminal device between an application client and a proxy module according to a local access profile associated with the application client;

selecting an access point among a plurality of access points in the terminal device; and

establishing a further connection between the proxy module and a remote server of a network through the selected access point so as to establish ~~for establishing~~ a communication connection between a ~~the~~ terminal device and a ~~the~~ network for the application client,

wherein each access point connects with the network using a respective transport bearer.

~~using said access point, said terminal device communicating with said network by using a layered protocol stack comprising a transport layer, and said terminal device having a plurality of application clients each accessing the network using a respective access point of said plurality of access points; and~~

~~establishing the communication connection between the terminal device and the network through a transport layer proxy.~~

2. (Previously presented) The method of claim 1, wherein the communication connection of the terminal device and the network is via an air interface.

3. (Canceled)

4. (Currently amended) The method of claim ~~[[3]]~~1, wherein the local ~~transport layer~~ connection and the further ~~transport layer~~ connection are client-server based connections.

5. (Currently amended) The method of claim 1, wherein the ~~transport layer proxy module~~ provides at least one additional service for the application client or for the user of the device.

6. (Original) The method of claim 5, wherein the provided additional service comprises selecting a network interface to be used in the case where more than one network interface is available.
7. (Previously presented) The method of claim 5, wherein the provided additional service comprises a service for selecting a bearer for crossing an air interface.
8. (Currently amended) The method of claim 7, wherein the bearer operates in ~~the~~a protocol stack on a layer lower than ~~the~~a transport layer.
9. (Currently amended) The method of claim 6, wherein ~~the selection of a network interface or a bearer~~selecting the access point is performed based on information which comprises at least one of the following: network availability, user-defined rules, time, location, cost.
10. (Original) The method of claim 5, wherein the provided additional service comprises providing a network interface not natively supported by an operating system of the device.
11. (Original) The method of claim 5, wherein the provided additional service comprises providing support for multiple users.
12. (Original) The method of claim 11, wherein support for multiple users is implemented via a set of predefined user profiles.
13. (Currently amended) The method of claim 5, wherein the provided additional service comprises receiving information indicative of a change in a remote server address and modifying the remote server address at the ~~communication-terminal~~ device by the proxy module~~second software application~~, whereby no modification in the ~~first software application~~ client is needed.

14. (Previously presented) The method of claim 1, wherein the application client is an e-mail client, web browser or another end-user application.

15. (Currently amended) The method of claim [[1]]8, wherein the transport layer is implemented by Transmission Control Protocol.

16. (Currently amended) An apparatus, comprising:

a plurality of access interfaces, each configured to connect the apparatus with a network using a respective transport bearer;

a storage medium configured to store a plurality of application clients for use by the apparatus, ~~wherein each client is configured to access the network using a respective access interface of said plurality of access interfaces~~; and

a proxy module, configured to establish a local connection between an application client and the proxy module according to a local access profile associated with the application client, select an access interface among the plurality of access interfaces in the apparatus, and establish a further connection between the proxy module and a remote server of a network through the selected access point so as to establish a communication connection between the apparatus and the network for the application client. ~~, and to connect the apparatus with the network through said proxy module,~~

~~wherein said apparatus is capable of communicating with said network by using a layered protocol stack comprising a transport layer, and said proxy is a transport layer proxy.~~

17. (Previously presented) The apparatus of claim 16, wherein the apparatus is configured for communication via an air interface.

18. (Canceled)

19. (Currently amended) The apparatus of claim [[18]]16, wherein the local ~~transport layer~~ connection and the further ~~transport layer~~ connection are client-server based connections.

20. (Currently amended) The apparatus of claim 16, wherein the proxy module ~~comprises computer readable storage medium for storing program code thereon, said program code being executed for acting as a proxy for the application client and for providing~~ is further configured to provide at least one additional service for the application client or for the user of the device.

21. (Previously presented) The apparatus of claim 20, wherein the provided additional service comprises selecting a network interface to be used in the case where more than one network interface is available.

22. (Previously presented) The apparatus of claim 20, wherein the provided additional service comprises selecting a bearer for crossing an air interface.

23. (Currently amended) The apparatus of claim 22, wherein the bearer is operable in ~~the~~ a protocol stack on a layer lower than ~~the~~ a transport layer.

24. (Currently amended) The apparatus of claim 22, wherein ~~the program code in the proxy module comprises program code for selecting the network interface or the bearer~~ is selected based on information which comprises at least one of the following: network availability, user-defined rules, time, location, cost.

25. (Previously presented) The apparatus of claim 20, wherein the provided additional service comprises providing a network interface not natively supported by an operating system of the device.

26. (Previously presented) The apparatus of claim 20, wherein the provided additional service comprises providing support for multiple users.

27. (Previously presented) The apparatus of claim 26, wherein said apparatus is configured to provide support for multiple users via a set of predefined user profiles.

28. (Previously presented) The apparatus of claim 20, wherein the provided additional service comprises receiving information indicative of a change in a remote server address and modifying the remote server address at the communication device by the second software application, whereby no modification in the first software application is needed.

29. (Previously presented) The apparatus of claim 16, wherein the plurality of application clients comprises an e-mail client, a web browser or another end-user application client.

30. (Currently amended) The apparatus of claim ~~[[16]]~~23, wherein the transport layer is a Transmission Control Protocol layer.

31-32. (Canceled)

33. (Currently amended) A computer program product comprising a computer readable storage medium storing program code thereon ~~executable by a transport layer proxy in for use~~ by a communication device, ~~[[,]]~~ wherein the program code ~~comprising~~ comprises:

instructions for establish a local connection in the communication device between an application client and a proxy module according to a local access profile associated with the application client,

instructions for selecting an access point among a plurality of access points in the communication device, and

instructions for establishing a further ~~communication~~ connection between the ~~communication device~~ proxy module and a remote server of a network using through the selected ~~said~~ access point so as to establish a communication connection between the communication device and the network for the application client,

wherein each access point connects with the network using a respective transport bearer;  
~~said communication device communicating with said network by using a layered protocol stack comprising a transport layer, and said communication device having a plurality of application clients each accessing the network using a respective access point of said plurality of access points; and~~

~~instructions for establishing the communication connection between the communication device and the network through the transport layer proxy.~~

34. (Canceled)

35. (Currently amended) An apparatus, comprising:

a plurality of access ~~points~~ means, each for connecting the apparatus with a network using a respective transport bearer;

~~means for storing a plurality of application clients for use by the apparatus; each client accessing the network using a respective access points of said plurality of access points;~~

means for establishing a local connection with an application client according to a local access profile associated with the application client; and

a proxymmeans for selecting an access ~~point~~ means among the plurality of access ~~points~~ means in the apparatus, and

means for establishing a further connection to a remote server of a network through the selected access means so as to establish a communication connection between the apparatus and the network for the application client~~for connecting the apparatus with the network through the proxy;~~

~~wherein said apparatus is capable of communicating with said network by using a layered protocol stack comprising a transport layer, and said proxy is a transport layer proxy.~~